

# Transylvania County Comprehensive Transportation Plan (CTP) Meeting #1

North Carolina Department of Transportation (NCDOT)  
Transportation Planning Division (TPD) **Daniel Sellers**, PE  
North Carolina Department of Transportation (NCDOT) Division 14,  
**Steve Williams**

Land of Sky Rural Planning Organization (LOSRPO)  
**Vicki Eastland, Nick Kroncke**





**Welcome and Introductions,**

Vicki Eastland, LOSRPO  
April 3, 2019

## Agenda

- 3:00 PM**      **Welcome and Introductions**
- 3:15 PM**      **Meeting Format, Workgroup Handbook**
- 3:25 PM**      **Who is land of Sky RPO**  
**What is a Comprehensive Transportation Plan**  
**NCDOT Division 14 STIP Current Projects**
- 4:10 PM**      **BREAK**
- 4:20 PM**      **CTP Survey Results**
- 4:30 PM**      **Visioning and Goal**
- 4:45 PM**      **Future Meeting Times**  
**4:55 PM**      **Wrap-Up**



## Desired Outcomes

1. Work Group understands what a CTP is how it will be used by Transylvania County
2. Work Group understands their role, responsibilities and meeting format
3. Work Group agrees on general meeting day, time, and location
4. Work Group thinking about vision and goals for Transylvania County's transportation system in 2045
5. Work Group understands the tentative agenda and time for CTP Work Group Meeting #2

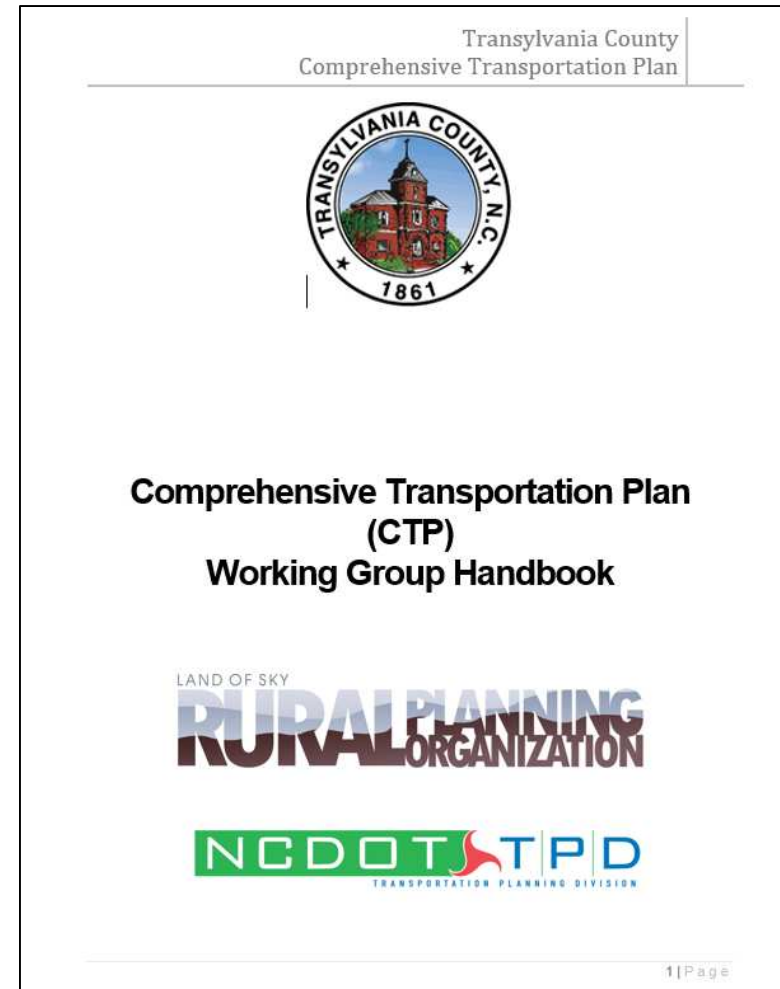


# Work Group Handbook & Meeting Format

Vicki Eastland, LOSRPO  
April 3, 2019

## CTP Work Group Hand Book

- Resource for contact information
- Work Group Roles and responsibilities
- Key Staff Roles
- Preliminary CTP Study Schedule/timeline
- Glossary of Transportation Acronyms





## Work Group Roles

- **You** have a **unique local viewpoint...**
- During plan development you should provide **your perspective** and **insight...**
- Networking/Recruitment; You know others with a **keen interest** in the **area's future transportation needs**; including friends, neighbors, business associates...
- Public Meeting **support**; going forward we may need your help with public meeting support.



[www.transylvaniacounty.org/sites/default/files/departments/planning/docs/Appendix-D-Community-Meetings-Report.pdf](http://www.transylvaniacounty.org/sites/default/files/departments/planning/docs/Appendix-D-Community-Meetings-Report.pdf)

## Other Roles

- **Transylvania Transportation Advisory Committee (TAC):** appointed by the county commissioners, and will review and approve the DRAFT CTP before it is presented for adoption.
- **Resource Advisors:** There are several interested groups and agencies involved in area issues. We will proactively seek input from these groups during plan development.
- **Citizen Advisors:** The CTP will need include the views of area citizens. CTP Work Group meetings are open to the public and interested citizens can attend. Work Group members are encouraged to invite citizens to the scheduled public meetings during the planning process.



## Key CTP Staff

**Vicki Eastland, with Land of Sky Rural Planning Organization (LOSRPO)**

- Communication and Facilitation
- Data review

**Daniel Sellers, with NCDOT Transportation Planning Division,**

- Data gathering and Analysis
- Production of CTP maps and report.

**Nick Kroncke,** Land of Sky RPO support staff.

**Steve Williams,** NCDOT Division 14 Planning Engineer

**Lonnie Watkins,** NCDOT Division 14 District 1 District Engineer

## Meeting format

- This is a **working group** (all participate)
- Parking lot for follow-up items
- Stay on topic, each meeting will have desired outcomes (does this discussion or topic help achieve our desired outcomes)
- Common courtesy, speak one at a time and be respectful
- Start and end on time
- Ask questions and be involved!





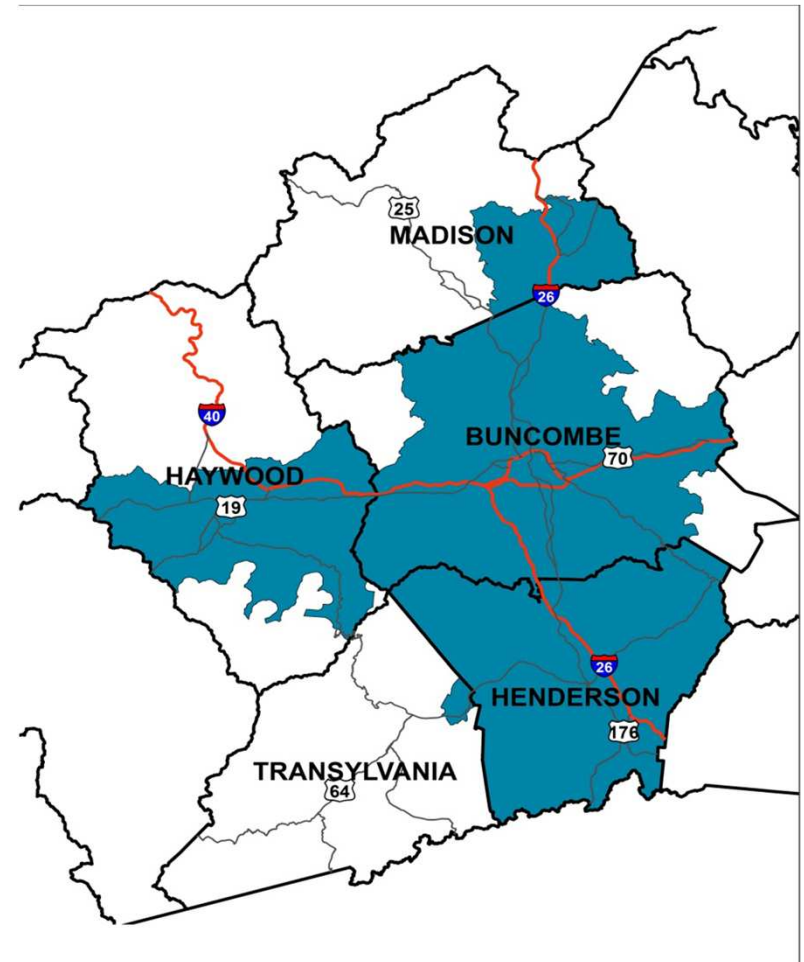
## Who is Land of Sky RPO?

Vicki Eastland, LOSRPO  
April 3, 2019

# Who is Land of Sky RPO

## Land of Sky RPO

- Housed at Land of Sky Regional Council since 2003
- Areas in white on the map
- Transylvania, Rural areas of Madison, Haywood and Buncombe
- More info at <http://www.landofsky.org/rpo.html>



## What does Land of Sky RPO Do?

- Provide local officials with transportation related info
- Forum for public input on transportation information
- Perform data gathering and analysis
- Work with our member governments, NCDOT partners on the State Transportation Improvement plan (STIP) development, AKA SPOT
- Represent RPO areas on project development and Scoping







**Transylvania County**

**Comprehensive Transportation Plan (CTP)**

Daniel Sellers, PE

April 3, 2019

What, Where, Why, When, Who

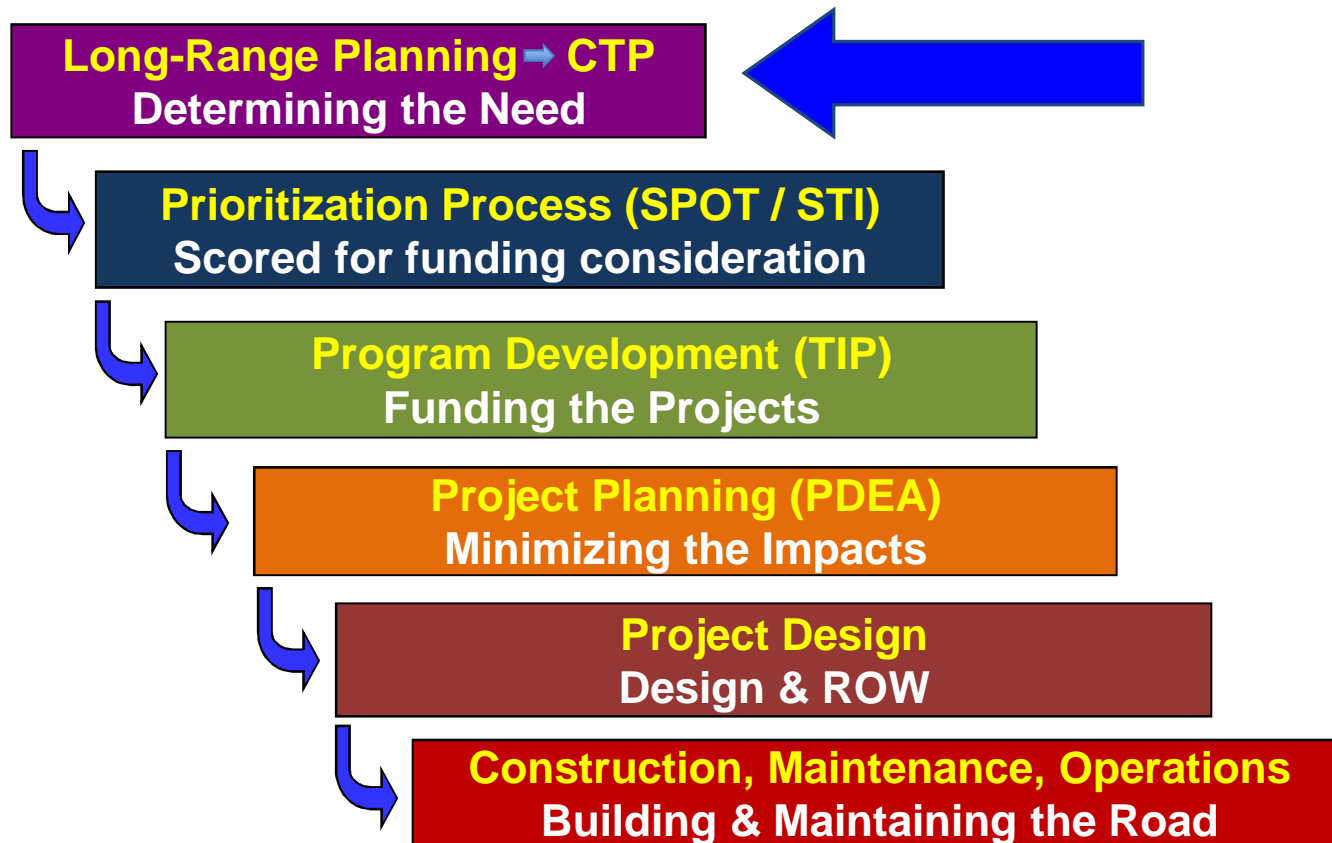
## What is a CTP?

- Comprehensive Transportation Plan
- Long-range, multi-modal transportation plan
  - 25 to 30 year planning period
  - Vision plan
  - System Focused Plan
- Incorporates land use plans, community & statewide goals
- Developed cooperatively among local stakeholders, Rural Planning Organization (RPO), and NCDOT

## What is in a CTP?

- Multimodal Maps
  - Highway
  - Public Transportation and Rail
  - Bicycle
  - Pedestrian
- Recommendations
  - Existing
  - Needs Improvement
  - Recommended on new location
- Current and Future Conditions
  - Lanes
  - Right-of-Way (ROW)
  - Volume and Capacity

## Where does the CTP fit into the “Big Picture”?





## What is a CTP?

- It strives to anticipate future deficiencies and provide proposals to address each deficiency
- It gives due consideration to the human and natural environment
- It is accountable to the public through the formal public involvement process

## What are the Benefits of a CTP?

- Common, long-range vision for facilities among local governments, RPO, and NCDOT
- Results feed into the prioritization process and help guide the development of projects to be considered for inclusion in Transportation Improvement Program (TIP)
- It aims for faster project delivery by utilizing project vision, environmental constraints, and public outreach in the project delivery
- CTP recommendations are concepts, and any project will go through an environmental process before final alignments or designs can be determined

## CTP Working Group

- Members
  - Local Stakeholders – County, towns, business interests, multi-modal reps, environmental interests, Title VI, schools, elderly, etc.
  - Land of Sky RPO
  - NCDOT – Transportation Planning Division and Division 14
  - The Public

## CTP Working Group

- Role
  - Represent stakeholders in the county
  - Provide insight from the community
  - Assist with public involvement
  - Review plan as it is developed
  - Assist with adoption and endorsement

## When will the CTP be done?

- CTPs usually take 18-24 months
  - We are hoping to accelerate it in this case because some of the work has already been completed
  - Your handbook has a tentative schedule for one year. This may change as we conduct the study
- Preliminary Work
  - Community Understanding Report
  - Travel Demand Model



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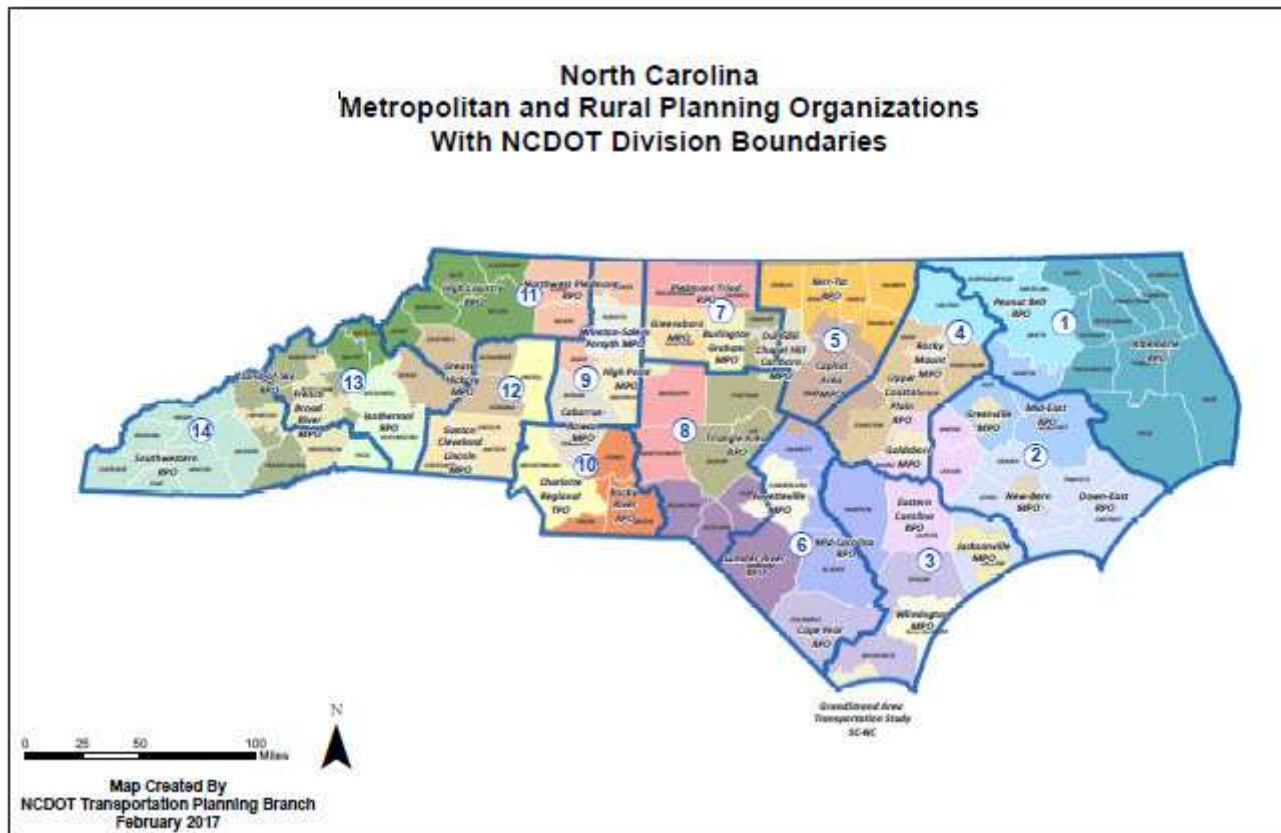


**State Transportation Improvement Plan (STIP)  
and Current Transportation Projects in Transylvania County**

Steve Williams, PE

April 3, 2019

# North Carolina Metropolitan and Rural Planning Organizations With NCDOT Division Boundaries



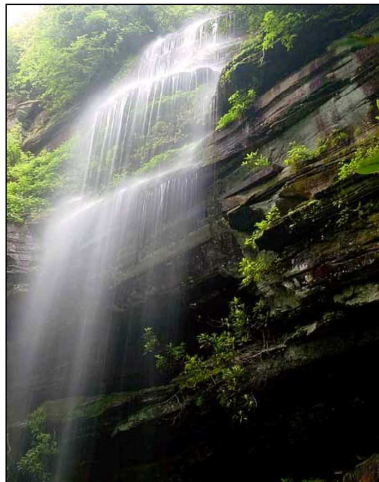


# Good Plans Lead to Good Projects



North Carolina Department of Transportation  
Transportation Planning Branch

## Comprehensive Transportation Plan



**Study Report for Transylvania County  
May 2007**

intersection of US 64/276 and Old Hendersonville Road, and 5 were at the intersection of US 64/276 and Deerlake Road. Intersection crash rates were higher than the county average for similar facilities at the Caldwell Street and Chestnut Street intersections. Crash rates along US 64/276 were higher than the statewide average crash rate for similar facilities from Caldwell Street to Osborne Road. The intersection at Caldwell Street was reconfigured in 2005 (after the time period of this safety analysis).

### • System Linkages

#### Existing Road Networks

US 64/276 provides one of only two links, the other being Old Hendersonville Road, between the center of Brevard and the Pisgah Forest area. This roadway also serves as a link in a major east-west travel corridor across Transylvania County that continues west via US 64 and east via NC 280. US 64/276 is part of a Strategic Highway Corridor (Corridor 2 – Chattanooga to Hendersonville).

#### Transportation Plans

US 64/276 is designated as a Boulevard on the CTP from North Caldwell Street to NC 280. The section of US 64/276 north of Allison Road already meets this vision—the section south of Allison Road will need to be upgraded, replacing the existing center left-turn lane with a median.

### • Social, Economic, and Environmental Conditions

#### Demographic Data

Overall, 7% of Transylvania County's population in 2000 was non-white, and 1% of the county's population was Hispanic. Most of the areas surrounding the US 64/276 corridor have lower concentrations of minority population than this county-wide average, although there are pockets with larger minority populations (notably in the vicinity of Chestnut Street). An area with a large Hispanic population is located near Fisher Road. Median family income in Transylvania County, from the 2000 Census, is \$45,579. The median family income in the three block groups adjacent to US 64/276 ranges from \$40,000 to \$48,750, with the lower-income areas concentrated west of US 64/276 in the vicinity of McLean Road and North Caldwell Street.

#### Economic Data

US 64/276 passes through a major commercial area in Transylvania County. The section south of Osborne Road is surrounded by typical suburban strip-development. The section north of Osborne Road is less developed, but is seeing substantial development occur (Straus Park). Behind the commercial areas adjacent to US 64/276 are large residential developments and the Transylvania Community Hospital/medical complex.

#### Environmental Data

US 64/276 crosses one National Wetland Inventory wetland, at King Creek. The Brevard College stone wall and gateway near the intersection with Caldwell Street is a National Register historic structure. There are several churches in the corridor, a rescue squad facility, and Brevard College. Transylvania Community Hospital is one block east of US 64/276, on Hospital Drive (just north of Allison Road), and Brevard Middle School is one block west of Allison Road.

### • Cost Estimate

Cost estimate was not developed for this project, due to the variability of potential median designs and their associated costs.

### • US 64 Unbalanced Couplet (South Caldwell Street and South Broad Street)

#### Summary of Need

There is a need to improve South Caldwell Street (US 64 westbound) from Main Street to Rosman Highway to accommodate existing and projected traffic volumes and to relieve growing congestion along these facilities. There is a need to improve South Broad Street (US 64 eastbound) at its intersection with Rosman Highway to accommodate projected traffic volumes and to relieve growing congestion along this facility. These two facilities represent a missing link between two sections of US 64 that provide four travel lanes (two in each



## Past, and Future Projects

<u>TIP No.</u>	<u>Location Description</u>	<u>Status</u>	<u>Type</u>
U-5104	Caldwell Street from Probart Street to US 64	Complete	Roadway with Multi-Modal Components
R-5799	Pisgah Forest Intersection	Under Design	Intersection/Bike and Pedestrian
R-5800	Asheville Highway, US 276	Under Design	Access Management
R-5763	Wilson Road	Under Design	Improve alignment, lane widths, and shoulders
R-5865	US 276 in Pisgah Forest	Under Design	3 lane cross section with bike facilities
R-5882	Rosman Highway, North Country Club, Caldwell Street	In Draft STIP	Intersection Improvements
R-5919	US 178, Rosman	In Draft STIP	Improve alignment, lane widths, and shoulders

**Time for a BREAK!**



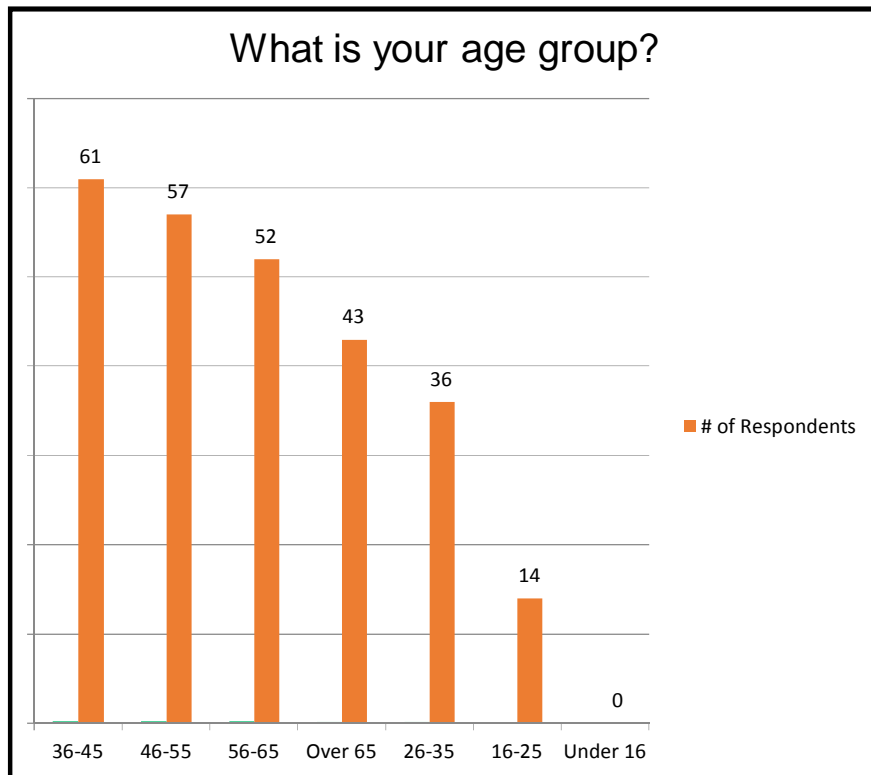
Next up, survey results



# Transylvania County CTP Public Survey Results

Nick Kroncke, LOSRPO  
April 3, 2019

- February – March 2019
- 331 respondents (0.97% of county)



Residence	Percentage	Count
City of Brevard	33.84%	112
Dunn's Rock	13.90%	46
Brevard Township	12.39%	41
Little River	9.37%	31
Cathey's Creek	5.74%	19
Boyd	5.14%	17
Eastatoe	5.14%	17
Henderson County	4.23%	14
Hogback	3.02%	10
Other (please specify)	3.02%	10
Gloucester	1.81%	6
Town of Rosman	1.21%	4
Buncombe County	0.60%	2
Jackson County	0.30%	1
Oconee County (SC)	0.30%	1
Haywood County	0.00%	0
Greenville County (SC)	0.00%	0
Pickens County (SC)	0.00%	0
<b>Answered</b>		<b>331</b>
		<b>34</b>



**IDEAL survey representation**

Long distance  
SOV  
commuter

Father of 3,  
weekend jogger

Walks to work,  
weekend  
Mountain Biker

Delivery/Freight  
Driver

Commutes out  
of county,  
health advocate

Zero Vehicle  
Household,  
Transit User

Choice  
multimodal  
user, non-  
vehicle owner

**ACTUAL Survey Representation**

Long distance  
SOV  
commuter

Father of 3,  
weekend  
jogger

Walks to work,  
weekend  
Mountain Biker

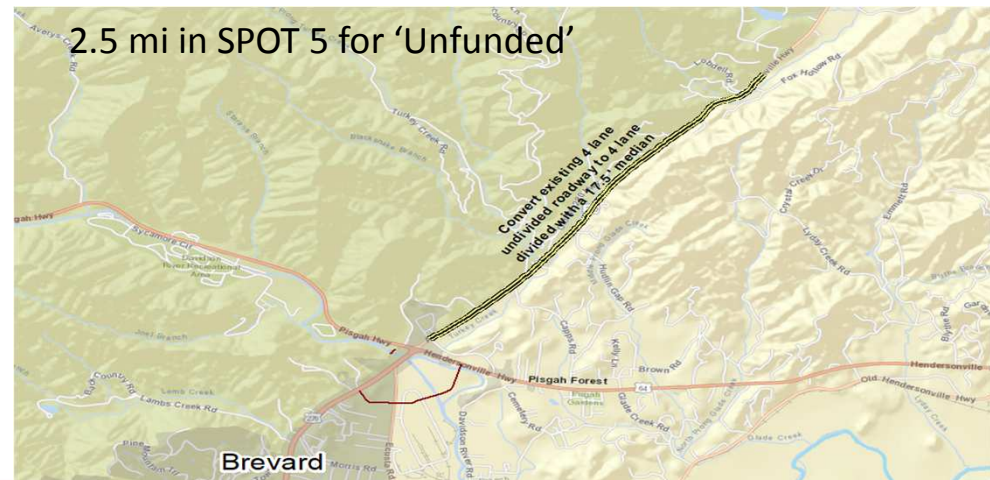
Delivery/Freight  
Driver

Zero Vehicle  
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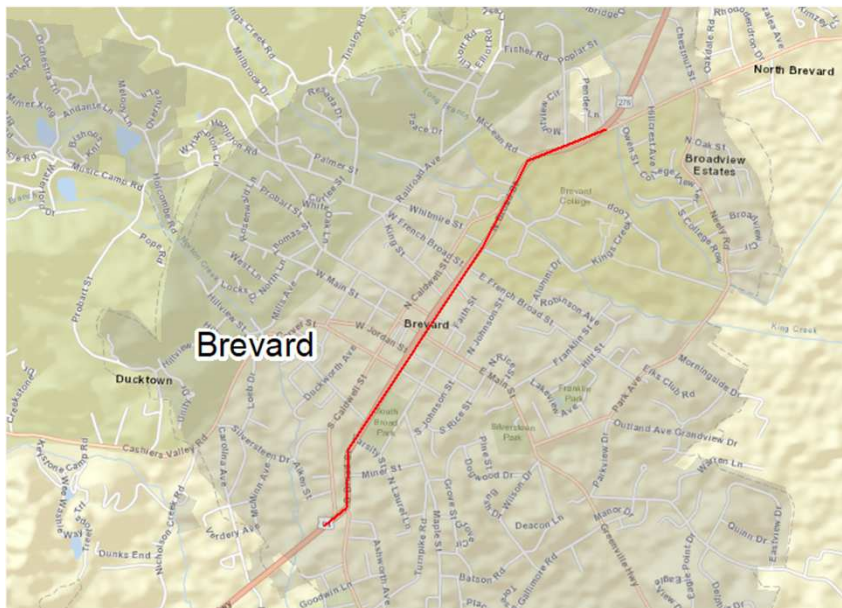
Volume = 19,000 AADT



## 'Difficult to reach' Destinations

### #2 - US 64 (N/S Broad St)

Volume = 13,000 AADT

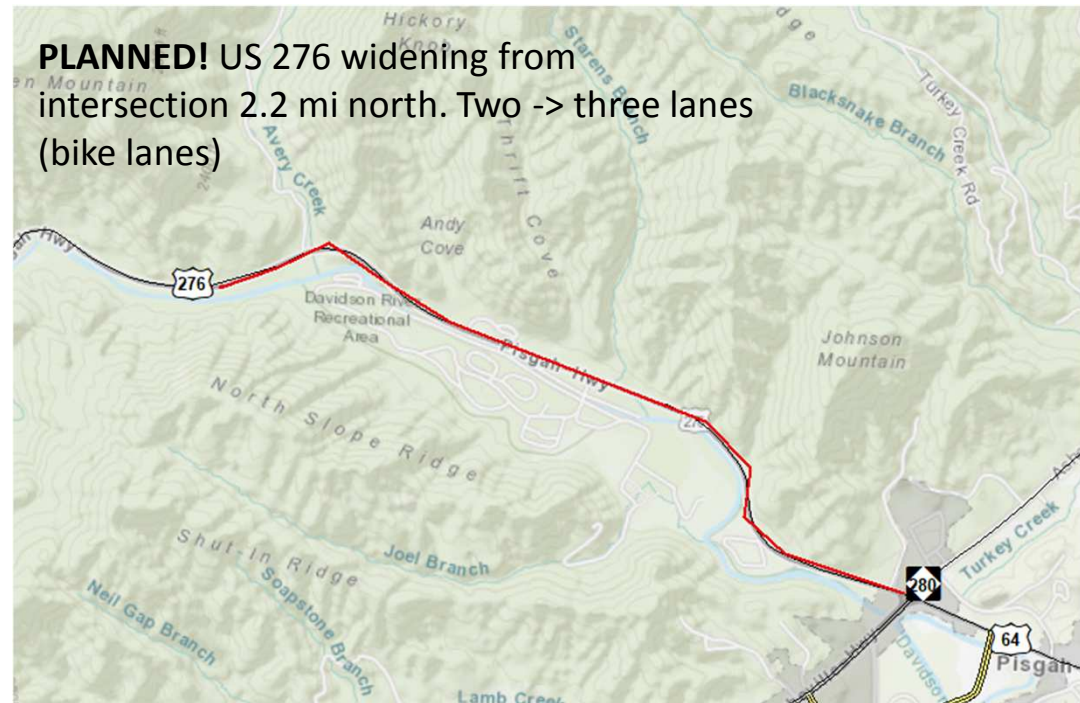
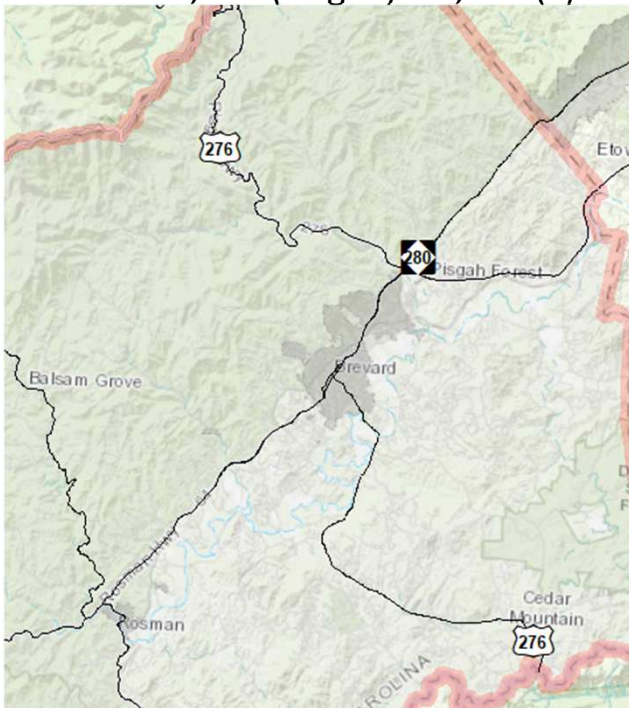




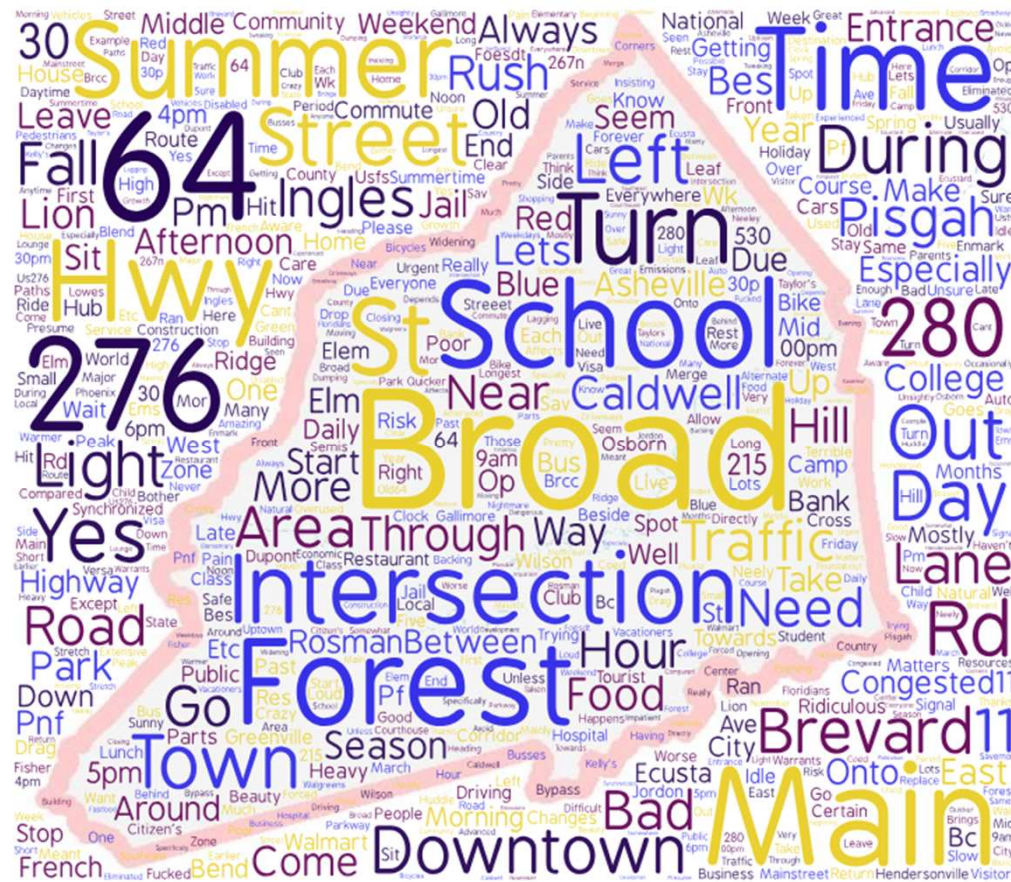
## 'Difficult to reach' Destinations

### # 3 - US 276 (Greenville Highway)

Volume = 1,900 (Pisgah) – 5,600 (S)



“Are there any areas in Transylvania County you feel are **congested**?”





- ❖ Bike, Lane, Transport, More, Public, Trail, Walk, Pedestrian, Ecusta

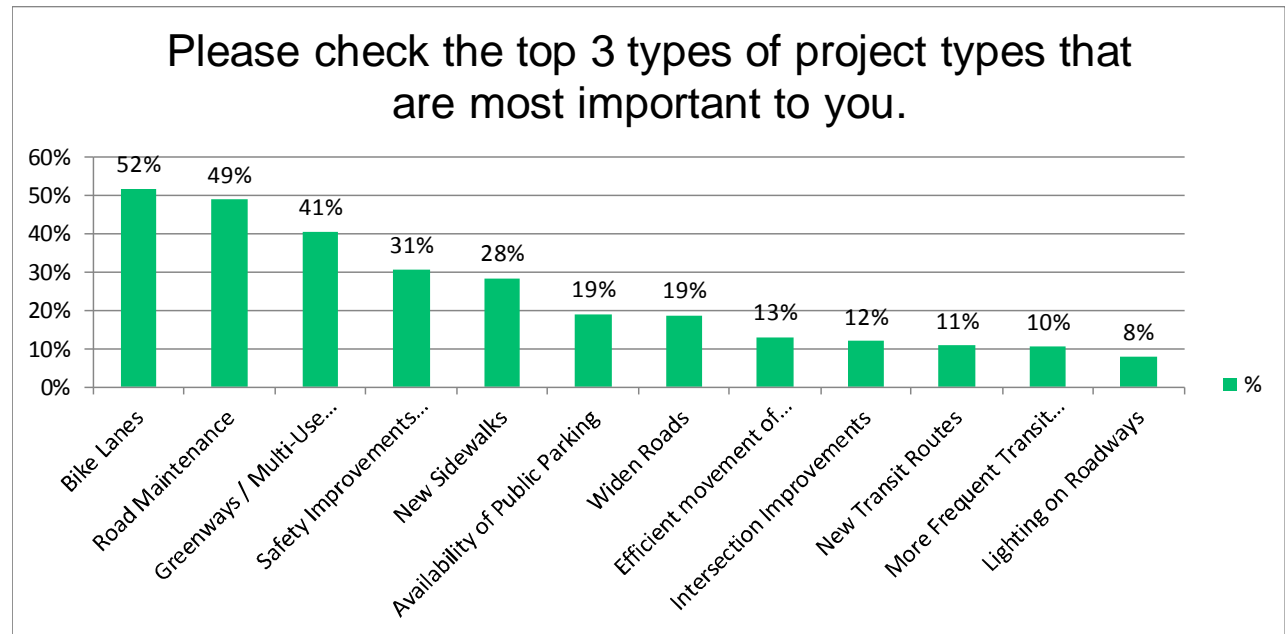


# Transportation Goals



# ‘Project Type’ Priorities

- ❖ Widen roads
- ❖ New Roads
- ❖ New Transit Routes
- ❖ Public Parking
- ❖ Efficient Vehicle Movement
- ❖ Bike Lanes
- ❖ Road Landscape
- ❖ Greenways/ Multi-Use Paths
- ❖ Safety Improvements (Sight distance, curves, shoulders)
- ❖ Frequent Transit Service

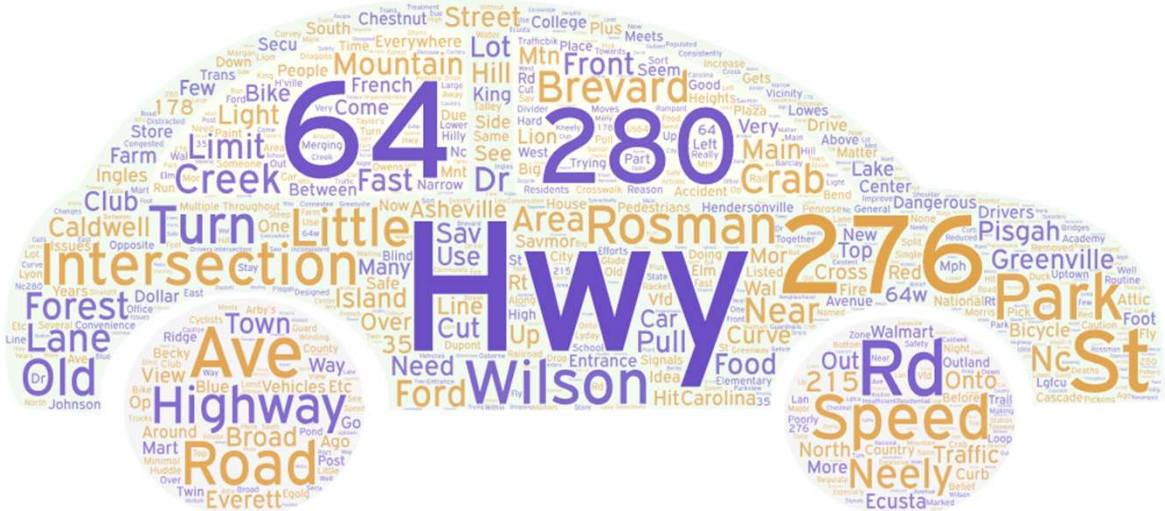




# Safety Concerns



- ❖ 276, Neely, Wilson,  
Old 64, Greenville  
Hwy, 280,  
Everywhere, Crab  
Creek



- ❖ Intersection, 64, 276, 280, Speed, Park, Wilson, Rosman, Brevard, Neely



# **Transylvania County CTP Vision and Goals**

Vicki Eastland, LOSRPO  
April 3, 2019

## Transylvania County 2025 Vision

**2025 Comprehensive Plan**, Transylvania County Planning & Community Development,

Vision Statement Through leadership and community engagement, Transylvania County **preserves** the county's **natural beauty** and **cultural resources** while developing our built environment to improve the **economic**, social and **cultural conditions** of our county.

## City of Brevard Comprehensive Plan, Vision

Brevard is a safe, friendly, family-oriented city with small town charm, **outdoor recreation**, **art and culture**, that bring investment opportunities, **environmental consciousness** and **economic** diversity.

## CTP Vision Statement, First cut...

- Transylvania County and its municipalities will have a **safe**; robust and balanced transportation system; that will serve to connect its citizens to services; will support diverse population growth; foster **economic investment** opportunities, while **preserving** the county's **cultural resources, natural beauty and productive farmlands**. The transportation system will provide transportation opportunities for **multiple modes** of travel and enhance the **quality of life** for citizens of all ages.

## Goals from Public Survey

- **#1** Preservation (Preserving the existing natural beauty of the region, the community and character of downtown, and our existing neighborhoods)
- **#2** Choices (Provide transportation mode choices: public transportation/transit, bicycle, pedestrian, auto)
- **#3** Connectivity (How our multi-modal transportation system gets us from one place to another)
- **#4** Economic Development (Invest in projects that spur economic growth and create jobs)
- **#5** Improve Travel Times (High speed roads, more lanes, less intersections)



## **Transylvania County CTP Future Meeting Days/Times,**

Vicki Eastland, LOSRPO

April 3, 2019



## Future Meetings

- Approximately Monthly
- Day of the Week?
- Time of Day?
- Location?
- Doodle or some type of Poll?





## Desired Outcomes Achieved?

1. Work Group understands what a CTP is how it will be used by Transylvania County
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5. Work Group understands the tentative agenda and time for CTP Work Group Meeting #2

## Contact info for your team

- Vicki Eastland, Land of Sky RPO, [vicki.Eastland@landofsky.org](mailto:vicki.Eastland@landofsky.org) 828-251-6622
- Nick Kroncke, Land of Sky RPO [nick@landofsky.org](mailto:nick@landofsky.org) 828-251-6622
- Daniel Sellers, NCDOT TPD, [dcsellors1@ncdot.gov](mailto:dcsellors1@ncdot.gov) 919 707 0978
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